Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

HW#16: Translations

Geometry

Due: Friday, October 2nd

Failure to show work will result in LaSalle.

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| 1) Translation: 2 units right and 5 units up.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-27 at 2.26.44 PM.png | 2) Translation: 5 units left and 1 unit down  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-27 at 2.26.49 PM.png |
| 3) Graph the triangle ABC with vertices: *A (1, -2), B (1, -4), C (3, -3)*, On the graph, label the coordinates of the vertices if the triangle is translated 3 units up and 6 units to the left.  Macintosh HD:Users:katleiahramos:Desktop:Screen Shot 2015-09-27 at 2.30.22 PM.png | |
| 4) Write the equation of the line *f(x) = 5x + 0.5* if the line is translated down the y-axis 4 units. | 5) Suppose the line *h(x) is parallel to the line g(x).* If *g(x) = -0.5x + 45*, what is one possible equation for *h(x)*?  Justify your answer in at least 1 complete sentence. |

Flip 🡪

For each question below, justify your answer in at least 1 complete sentence.

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| Macintosh HD:Users:katleiahramos:Desktop:Coordinate Geometry ACT:Screen Shot 2015-09-27 at 12.38.24 PM.png6) | Macintosh HD:Users:katleiahramos:Desktop:Coordinate Geometry ACT:Screen Shot 2015-09-27 at 12.42.35 PM.png7. |